

ABSTRACT OF THE DISCLOSURE

There is provided an apparatus for generating a transmission of local oscillation signals and a reception of local oscillation signals in a mobile terminal. The apparatus includes: a first phase locked loop (PLL) block configured to generate a transmission local oscillation signal; a second PLL block configured to generate a reception local oscillation signal; and a controller configured to control the first PLL block to operate before a minimum time period required for the first PLL block to lock up from a start point of a transmission burst period and the second PLL block to operate before a minimum time period required for the second PLL block to lock up from a start point of a reception burst period.